

CLAIMS

1. An afterburner device for stoves for burning wood or other types of biomass, coke or coal, supplying fresh, heated air to a zone (14) in the stove above the stove's combustion chamber (13),  
5 c h a r a c t e r i s e d i n that the device is constituted by a plate (1), that is folded and provided with holes (4, 6), for installation on the inside of a side or rear wall in an existing traditional stove constructed without aperture(s) for secondary air, and for cooperation with at least one secondary air aperture (2) arranged in  
10 said wall upon installation of the plate (1) in the already existing stove.
2. The afterburner device according to claim 1,  
c h a r a c t e r i s e d i n that the plate (1) has a number of holes or slits (4) near a folded end (16a) of the plate (1), the holes or slits (4) being arranged at the uppermost edge when installed, to allow air to get to the said zone (14), as at least  
15 one secondary air aperture (2) is arranged in a position just above a lower folded end (16b) of the plate (1) when it is installed, whereby air can be pre-heated while rising up behind the plate (1).
- 20 3. The afterburner device according to claim 1,  
c h a r a c t e r i s e d i n that the plate (1) is provided with holes (6) near a folded end (16b) of the plate (1) where the holes (6) are arranged towards the bottom edge when installed, to establish and maintain a pilot flame.
- 25 4. The afterburner device of claim 1,  
c h a r a c t e r i s e d i n that the plate (1) consists of two parts (15a, 15b) which can be mutually displaced to provide an adjustable dimension in a lateral direction when installed, for adaptation to stoves of different sizes.